

IN THE ABSTRACT

Replace the abstract originally provided on the cover sheet of the PCT application with the new abstract as follows: A new abstract numbered page 19 is enclosed for the last page of the application following the claims.

ABSTRACT OF THE DISCLOSURE

A planar filter has a planar resonator including a conductive region having smoothed contours and supporting a first resonating mode propagating along a first conductive path and a second resonating mode propagating along a second conductive path perpendicular to the first conductive path. The planar filter also has a conductor-free region made in the conductive region and having smoothed contours. The conductor-free region is disposed along a region axis forming an angle with respect to the first conductive path. The conductor-free region causes a perturbation of the symmetry of the planar resonator resulting in a frequency shift of the first and second resonating mode and their mutual coupling.